

In re: Application of STEINDLER, et al.
Confirmation No: 6329
Application No.: 10/695,600
Examiner: SAJJADI, F. G.
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-29 (canceled)

30. (Currently Amended). An isolated culture of multipotent, progenitor or precursor human and murine brain stem ~~cell~~ cells containing a sub-population of cells that are immunonegative for glial fibrillary protein, nestin and TuJ1, appear as phase-bright very dense bodies and exhibit areas of very small punctate staining interspersed with regions that lack staining when counter-stained with propidium iodide; and,

~~wherein said culture is capable of the culture comprises differentiation into Type II and Type III clones, that positively display markers for glial fibrillary acidic protein, nestin and TuJ1.~~

31. (Previously presented). The isolated brain stem cells of claim 30, wherein the cells are made according to a method comprising the step of culturing a dissociated human brain cell under conditions that inhibit cell-cell and cell-substrate interactions.

32. (Previously presented). The isolated brain stem cells of claim 31, wherein the step of culturing the dissociated human brain cell comprises culturing the dissociated human brain cell on a non-adhesive substrate in suspension culture supplemented with fetal bovine serum and methyl cellulose.

33. (Currently Amended). The isolated brain stem cells of claim 30, wherein the pluripotent multipotent brain stem cell is a mammalian cell.

34. (Currently Amended). The isolated brain stem cells of claim 33, wherein the pluripotent multipotent brain stem cell is a human cell.

{WP326361;1}

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35. (Currently Amended). The isolated brain stem cells of claim 33, wherein the pluripotent multipotent brain stem cell is a murine cell.

36. (Currently Amended). The isolated brain stem cells of claim 30, wherein the pluripotent multipotent brain stem cell is obtained from a post-mortem animal subject.

37. (Currently Amended). The isolated brain stem cells of claim 30, wherein the pluripotent multipotent brain stem cells are cultured ex-vivo in medium comprising insulin, putrescine, progesterone, selenite, pituitary extract, transferrin, serum, growth factors, and contact-limiting factors; wherein said cultured cells are has been introduced into a tissue in an animal subject.

38. (Previously presented). The isolated brain stem cells of claim 37, wherein the tissue is a central nervous system tissue.

39. (Previously presented). The isolated brain stem cells of claim 38, wherein the central nervous system tissue is brain tissue.